

**Claims**

1. Flooring material including floor boards (1) with an essentially square, rectangular or rhomboidal shape, which floor boards (1) are provided with edges (2), a horizontal lower side (5) and a horizontal decorative upper surface (3), whereby the floor boards (1) are provided with lower joining lips (10) at two adjacent edges (2) while the two remaining edges (2) are provided with upper joining lips (20), characterised in that the lower joining lips (10) are provided with essentially vertical lower lip surfaces (11) arranged parallel to the closest edge (2) which lower lip surfaces (11) are intended to interact with mainly vertical upper lip surfaces (21) arranged on the upper joining lips (20) so that two joined adjacent floor boards (1) are locked together in a horizontal direction and that the joining lips (10 and 20 respectively) are provided with one or more heels (31) intended to snap join with recesses (32) adapted thereto which, by being provided with essentially horizontal locking surfaces, limits vertical movement between two joined adjacent floor boards (1).
2. Flooring material according to claim 1, characterised in that the joint between two floor boards (1) joined together includes fitting surfaces which are comprised by the horizontal locking surfaces on the recesses (32) and the heels (31), the vertical upper lip surfaces (11) and upper fitting surfaces (3').
3. Flooring material according to claim 2 characterised in that the joint between two floor boards (1) joined together also includes cavities (6).
4. Flooring material according to claim 3 characterised in that the heel (31) is constituted by a resilient part which is arranged in a cavity (6).
5. Flooring material according to claim 3 characterised in that the recess (32) is constituted by a resilient part (7) which is arranged in a cavity (6).
6. Flooring material according to claim 4 or 5 characterised in that the resilient part is constituted by an extruded thermoplastic profile.

7. Flooring material according to claim 4 or 5 characterised in that the resilient part (7) is constituted by a profile made of thermosetting resin.
8. Flooring material according to claim 4 or 5 characterised in that the resilient part (7) is constituted by a profile made of metal.